

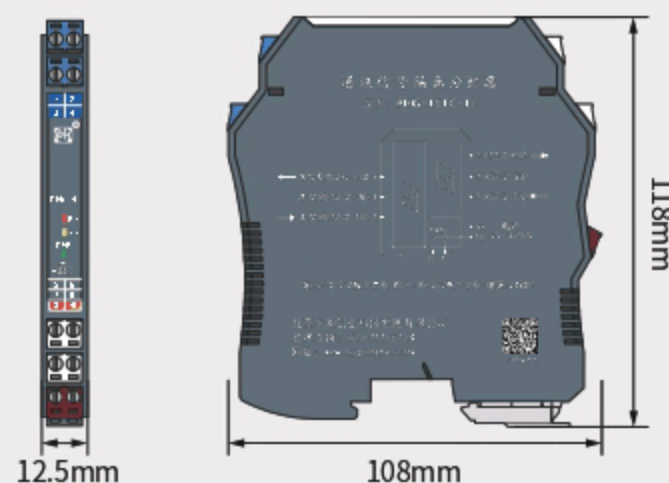
# Communication signal input signal isolators

## PHG-11TC-11

1 input 1 output

Input: RS-232 digital signal

Output: RS-232 digital signal



### Overview

PHG-11TC-11 communication signal input signal isolator can realize two-way communication of RS-232 digital signals on site and in the control room.

This product needs to be powered independently, and the power supply, input and output terminals are isolated.

### Specifications

#### Input:

Input signal: RS-232 digital signal

#### Output:

Output signal: RS-232 digital signal

Transmission delay:  $\leq 10\mu s$

Transmission rate:  $\leq 56\text{kbps}$

#### Basic parameters:

Supply voltage: 20~35V DC

Power consumption:  $\leq 1.5\text{W}$ (24VDC power supply)

LED indicator: Green: Power indicator

Yellow: The control room transmits signals to the on site

Red: transmitting signals from the site to the control room

Receiving and transmitting switching time:  $\geq 20\text{ms}$

Temperature parameters: Working temperature:  $-20^{\circ}\text{C}\sim+60^{\circ}\text{C}$

Storage temperature:  $-40^{\circ}\text{C}\sim+80^{\circ}\text{C}$

Relative humidity: 10%~95% RH no condensation

Insulation strength:  $\geq 2000\text{VAC/min}$  (between input/output/power supply)

Insulation resistance:  $\geq 100\text{M}\Omega$  (500 V DC)

(between input/output/power supply)

EMC: GB/T 18268(IEC 61326-3-1)

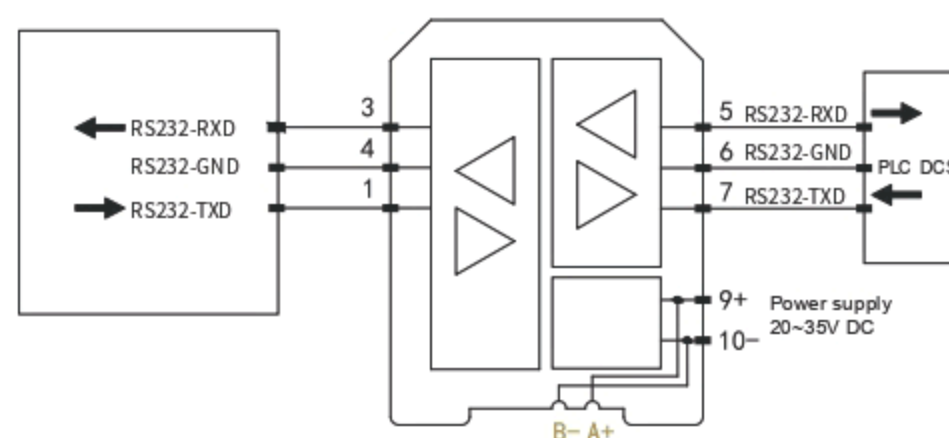
MTBF: 80000h

Wire requirements: Horizontal cutting surface  $\geq 0.5\text{mm}^2$

Insulation strength  $\geq 500\text{V}$

Applicable field equipments: Communication interface device with RS-232

### Connection wiring



Note: The power rail function is an optional function, and users need to specify the power supply method when placing an order

The selection of power rail connectors can refer to page 89 of the "Annex"